

In the Claims:

Cancel claims 1 to 4 and enter the following new claims.

B --5. (Amended) A method of handling telephone signals supplied by an analog telephone set and data supplied by a data terminal in a subscriber line circuit of a digital telephone switching system used at least in subregions for data transmission, which comprises:

directly connecting a telephone set and a data terminal ~~with a modem~~ to a subscriber line circuit of a digital telephone switching system through a common analog subscriber line;

~~at least one of:~~

subjecting data outgoing to the digital telephone switching system ~~supplied by the data terminal~~ to a analog/digital conversion ~~sampling operation~~ at a sampling rate above a sampling rate required for telephone information ~~during analog/digital conversion~~; and, according to a digital

coding to analog conversion, ~~sampling values representing~~ data incoming from the digital telephone switching system ~~supplied by the data terminal according to~~ using a linear characteristic ~~during analog/digital conversion~~; and

feeding data originating from and handled by the data terminal directly to a data transmission network.

B 6. (Amended) The method according to claim 5, which further comprises modulating data signals supplied by ~~the data terminal~~ ~~onto a carrier signal~~ for transmission on the subscriber line at a frequency above a frequency band authorized for transmission of telephone signals.

7. (Amended) A subscriber line circuit for handling telephone signals supplied by an analog telephone set and data supplied by a data terminal in a subscriber line circuit of a digital telephone switching system used at least in subregions for data transmission, comprising:

a telephone set for producing telephone signals;

a data terminal having a modem for producing data signals;

an analog subscriber line, said telephone set (Tela, Telb) and said data terminal directly connected to a subscriber line circuit of a digital telephone switching system through said analog subscriber line;

an analog/digital converter having a sampling rate above a sampling rate required for telephone information, said analog/digital converter:

connected to said telephone set and said data terminal;

receiving said telephone signals and said data signals; and

producing digital signals according to the sampling rate;

and

a digital signal processor reducing ~~said digital~~ signals
incoming from the digital telephone switching system at least
~~when said digital signals represent telephone signals~~ to a
transmission bit rate for telephone transmission and
simultaneously coding said telephone signals according to a
nonlinear characteristic.

8. (Original) The subscriber line circuit according to claim 7,
wherein said digital signal processor emits digital signals, and
including:

a data network; and

a digital interface connected to said digital signal processor,
said digital interface:

conveying digital signals representing data signals emitted by
said digital signal processor to said data network; and

conveying to said digital signal processor digital signals coming from said data network intended for said data terminal.

9. (Amended) In a digital telephone switching system used at least in subregions for data transmission, a subscriber line circuit, comprising:

a telephone set for producing telephone signals;

a data terminal having a modem for producing data signals;

an analog subscriber line, said telephone set and said data terminal directly connected to the digital telephone switching system through said analog subscriber line;

an analog/digital converter having a sampling rate above a sampling rate required for telephone information, said analog/digital converter:

connected to said telephone set and said data terminal;

receiving said telephone signals and said data signals; and

producing digital signals; and

a digital signal processor reducing ~~said digital signals~~
incoming from the digital telephone switching system at least

~~when said digital signals represent telephone signals to a~~
transmission bit rate for telephone transmission and
simultaneously coding said telephone signals according to a
nonlinear characteristic.

B 10. (Original) The subscriber line circuit according to claim 9,
wherein said digital signal processor emits digital signals, and
including:

a data network; and

a digital interface connected to said digital signal processor,
said digital interface:

conveying digital signals representing data signals emitted by
said digital signal processor to said data network; and

conveying to said digital signal processor digital signals
coming from said data network intended for said data
terminal.--